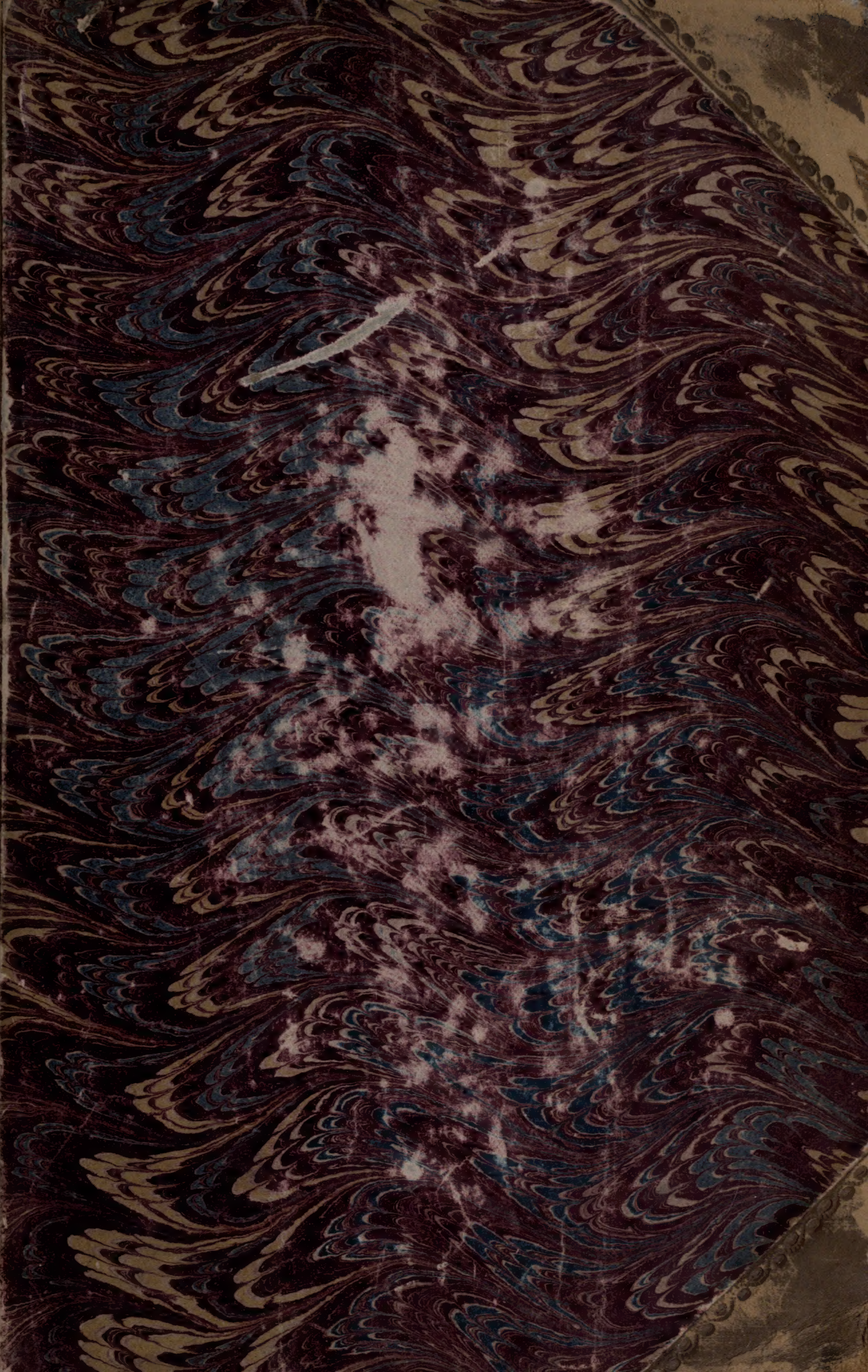

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VEGETABLE TECHNOLOGY:

A
CONTRIBUTION TOWARDS A BIBLIOGRAPHY OF ECONOMIC BOTANY, WITH A COMPREHENSIVE SUBJECT-INDEX.

BY
BENJAMIN DAYDON JACKSON,
SECRETARY OF THE LINNEAN SOCIETY.

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PREFACE.

THE history of this volume is as follows. In the *Colonies and India* for Sept. 13th, 1879, Mr. G. J. Symons published a catalogue of works on Applied Botany, having previously contributed a letter to that periodical urging the compilation of such a catalogue. The same journal for November 22nd, 1879, contained an appendix consisting of the former list, with large accessions by Mr. P. L. Simmonds. Mr. Symons having added a few additional titles to the list, it was offered to the Index Society for publication, and I undertook to edit it. The work served excellently as a supplement to a journal, but required much labour before it could be considered fit for publication in a permanent form. I began by striking out colonial floras of purely botanical aspect, they having been far more fully dealt with in my *Guide to the Literature of Botany*. I also deleted all books devoted to Silk and Cochineal, as not being strictly within the limits of the title as settled by the Index Society; and most reluctantly the subject of the Vine, its culture and products, simply on the ground of its enormous extent. The bibliography of the Vine in all its bearings would require a lifetime for its compilation; I did not attempt to take up the subject myself: in the Index I have made some references to works which will help inquirers on their way, but the nineteen treatises which were cited in the original list were many of them only of gardening interest. I have excluded books and papers of simply horticultural, therapeutic, chemical, commercial, or manufacturing interests, unless they contained a sufficient account of the raw product, its cultivation, or whence obtained, to justify their citation.

Mr. Symons supplied me with about sixty cuttings from catalogues not incorporated with his lists. I checked these where possible, against the volumes themselves either at the British Museum, Linnean Society, Kew Museum, or elsewhere; if I could not find any trustworthy record, I rejected them unhesitatingly. I was compelled to examine *every* title without exception, for too great trust had apparently been placed on the catalogues whence they were obtained for me to reprint them. Many of the original entries were too imperfect to be retained; those which I could not supplement or correct were mostly struck out; a few, however, are still left in, but marked with an asterisk, to signify that I am in no wise responsible for their accuracy. I cannot here refrain from expressing my great regret that Mr. Simmonds should have contented himself with giving so many maimed entries from pamphlets in his own possession under the heading 'Anonymous' publications; a trifling amount of additional trouble would have made them quotable or recognizable.

In addition to examining the titles furnished me, I have added all I could conveniently within the time; but a complete bibliography of Economic Botany would need the labour of years. I have gone through the Library attached to the

Economic Museum at Kew, the *Bibliotheca Historico-Naturalis* from 1862 to 1880, the *Botanisches Centralblatt* since its establishment last year to the present time, *The Pharmaceutical Journal* from its formation in 1842 to the end of October last. Mr. H. B. Wheatley was kind enough to furnish me with the titles of articles in the *Journal of the Society of Arts* to the end of 1880, since then I have taken them out myself. Taken altogether, these entries supply a very fair starting-point for almost every question in Vegetable Technology; the number of articles brought forward from the original list is 326, which has been increased, as noted, to 3580, exclusive of translations and different editions. One peculiarity of the old list was its paucity of works in the German language; this has been to some extent remedied in the present volume, as a book which professed to treat of forestry and ignored German literature on the subject, would be sadly deficient.

The *Journal of Applied Science* and *The Technologist* have not been regularly searched and cited, like the *Journal of the Society of Arts* and *The Pharmaceutical Journal;* for whilst confidence may be reposed in the statements given in these two latter journals, I could not confidently assert the same of the two former.

I have endeavoured to meet the wants of inquirers by compiling a comprehensive index. This not being an elementary work on applied botany, I have not attempted the task of determining the various products which appear under the native names, sometimes in different spellings; to have done so critically would have consumed months to very little purpose. The Index is designed to help in finding the books on a given subject, which are distributed under the authors' names, and more than this should not be demanded; a directory does this for persons, without trying to define the mutual affinities of those bearing the same name. It is hardly necessary to insist upon the need of searching all entries likely to give the information sought; thus, if an inquirer do not find his wants satisfied when referring to 'Materia Medica,' he should look up cognate headings, such as 'Drugs' and 'Medicinal Plants.'

I should have been glad to include a complete series of references to consular reports, also the selections of Indian papers bearing on Vegetable Technology, but I found I could not attain even approximate completeness therein. Consular reports are often quoted in *The Pharmaceutical Journal*, whence they are cited here, and a good series of the Indian selections is to be found in the Library Catalogue of the Royal Geographical Society. These publications are often regarded as ephemeral, and the department responsible for their issue rarely has a complete set.

Parliamentary papers have not been quoted in full, for in the majority of cases their value is commercial or manufacturing; in the Index, however, I have made references to suggest paths which may be followed up by those who want more than I have given. The formulae '*Refer to*' and '*Refer also to*' signify something outside this volume, whilst '*See*' and '*See also*' are ordinary cross-references.

The rules of the Index Society are followed in their spirit, the article preceding a name being used in the alphabetical arrangement, so that 'De Vrij,' and similar Dutch names, figure under the article, with a cross-reference from the substantive following. As in the *Guide to the Literature of Botany*, modified vowels and diphthongs are spelled out, ä, ö, ü, becoming ae, oe, ue, and so forth.

The heading 'Anonymous Publications' has been much altered from its original shape. In the former list there were several entries which have been here reduced to their proper authorship; others have been excluded by the change of plan; many were too hopelessly defective to be here given. The system of cataloguing anonymous books at the British Museum is an excellent method of drafting off such ware into the Library, but it gives almost no assistance to the searcher. In some cases it is not enough to know all that the book itself states, as where a medical tract by John Pechie is entered under Sir John Micklethwaite's name, *because*, Pechie addressed his pamphlet "To the President of the College of Phisitians," and the cataloguer having taken the pains to find out who was President of the College for the time being, entered it under his name. The Old General Catalogue, with its common-sense entries, is far more useful for hunting up these books than the New General Catalogue, with its elaborate system of rules.

The abbreviations used will, I believe, in every case be recognized without giving a tabular statement—'*Pharm. Journ.*' for *Pharmaceutical Journal*, and so on. In this, as in Mr. Solly's *Index to . . . Titles of Honour*, and my *Guide to the Literature of Botany*, the sign ⟶ is used to signify 'in progress'; many of the abbreviations I was compelled to use in my *Guide to the Literature of Botany* are not used here, as I have been able to quote the titles fully, any omissions in the middle being shown by dots . . . , at the end by *etc.*

During the progress of the work I have been indebted to many friends for help on special points, for which I here tender my hearty thanks; but I must especially name Mr. C. G. Warnford Lock for much help afforded throughout, and for supplying many titles of papers and books which I should otherwise have missed.

In spite of inevitable shortcomings, I believe that this volume will prove to be of greater use than its predecessors on the same topics. Dryander's Catalogue of the Banksian Library, which is arranged most minutely as to subject, and the systematic portion in both editions of Pritzel's *Thesaurus*, are less convenient for reference than the one alphabetic index which closes this book.

B. DAYDON JACKSON.

30, Stockwell Road, London, S.W.,
27*th December*, 1881.

VEGETABLE TECHNOLOGY.

PART I.

CATALOGUE OF AUTHORS.

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On the use of Coca leaves. [From *The Technologist.*] *Pharm. Journ.* II. vii. (1865) 33–34.

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English Trees and Tree-planting. London, 1880. 8°.

Accum (Frederick).

A Treatise on adulterations of food, and culinary poisons, exhibiting the fraudulent sophistications of . . . articles employed in domestic economy, and methods of detecting them. London, 1820. 12°. Ed. 2. 1820. 8°.

Achard (Franz Carl).

Ausfuehrliche Beschreibung der Methode, nach welcher bei der Kultur der Runkelruebe verfahren werden muss. Berlin, 1799. 8°.

Anleitung zur Bereitung des Rohzuckers und des Syrups aus den Runkelrueben. Berlin, 1800. 8°.

Beantwortung der Frage: wie ist die Zuckerfabrication aus Runkelrueben und des Branntweins aus den dabei abfallenden Abgaengen in den Preuss. Staaten zu bearbeiten, damit die koenigl. Accis-Gefaelle nicht dadurch bedenkliche Ausfaelle leiden? Berlin, 1800. 8°.

Kurze Geschichte der Beweise, welche ich von der Ausfuehrbarkeit im Grossen und den vielen Vortheilen der Zuckerfabrikation aus Runkelrueben gefuehrt habe. Berlin, 1800. 8°.

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Nachricht ueber die Runkelruebenzuckerfabrikation zu Kunern in Schlesien, welcher beglaubte Proben der Haupt- und Neben-Fabrikate, *etc.* Breslau, 1805. 8°.

Achard (Franz Carl), *continued*:—

Ueber den Einfluss der Runkelrueben-Zuckerfabrikation auf die Oekonomie. Glogau, 1805. 8°.

Die europaeische Zuckerfabrikation aus Runkelrueben, in Verbindung mit der Bereitung des Branntweins, des Rums, des Essigs und eines Kaffee-Surragats aus ihren Abfaellen. Leipzig, 1809. 8°. Ed. 2. 1812.

——— [Transl. by Dr. —. Angar.] Traité complet sur le sucre européen de betteraves, culture de cette plante considérée sous le rapport agronomique et manufacturier. Paris, 1812. 8°.

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Materia medica of Hindostan, and artisan's and agriculturist's nomenclature. Madras, 1813. 4°.

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Die Bienen-Flora Deutschlands und der Schweiz. Darmstadt, 1856. 8°. Ed. 2. Neuwied, 1863.

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The "Gum" of the Quebracho colorado (Loxopterigium Lorentii, Grisebach). [Extract.] *Pharm. Journ.* III. ix. (1878) 531.

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Lecture on the starch-producing plants of commerce. *Pharm. Journ.* xi. (1852) 556–557.

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ATTFIELD (John), *continued :—*

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>
> Le tome I sous le titre: Histoire de l'industrie linière en France, principalement à Lille et dans le department du Nord.
>
> Le tome II sous le titre: Etudes sur la culture, le rouissage et le teillage du lin en France, Belgique, Italie, Hollande, Allemagne, etc.
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Pages 15 *to* 17, Bentley *should follow* Benoit.
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,, 19 ,, 4, *for* J. *read* R. J.
,, 20 ,, 16, *delete* C. M.
,, 60, *last line but one*, *insert* Carácas, 1874. 8°.
,, 75, *line* 22, *for* Gross (G.) *read* Gross (Heinrich).
,, 78 ,, 10 ,, Curcos *read* Curcas.
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,, 143 ,, 3 ,, et sulla *read* e sulla.
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,, 158 ,, 14 ,, 18 *read* 1879.
,, 165 ,, 10 ,, Wilkomm *read* Willkomm.
,, 170, *lines* 5 *and* 10, *for* et *read* e.
,, 172, Schindler *should precede* Schlagintweit.
,, 174, *line* 17, *for* Standen *read* Stauden.
,, 175, Schweitzer *should precede* Schweizer.
,, 183, *line* 37, *for* Auguste *read* Augustin.
,, 184 ,, 1, *after* (J. Léon) *insert* & Augustin Delondre.
,, 185 ,, 14, *for* 1865 *read* 1685.
,, 187 ,, 5 *from bottom*, *for* 1880, *read* 1878.
,, 189 ,, 3, *delete the period after* et.
,, 198 ,, 31, *for* Calédoine *read* Calédonie.
,, 208 ,, 21 ,, Ruecksight *read* Ruecksicht.
,, 208 ,, 36 ,, Lund- *read* Land-.
,, 209 ,, 21 ,, von wendeten *read* verwendeten.

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